CIVIL PRO
AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

QC ABSTRACT

NAME OF WORK: Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	PCC(M15)	Compressive Strength(7days and 28days)	2 Set	–	4	4
8	RCC(M20)	Compressive Strength(7days and 28days)	4 Set	–	8	8
9	RCC(M25)	Compressive Strength(7days and 28days)	2 Set	–	4	4

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೧೮

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

10	RCC(M25)	Compressive Strength(7days and 28days)	3 Set	_	6	6
11	RCC(M25)	Compressive Strength(7days and 28days)	4 Set	_	8	8
12	RMC(M25)	Compressive Strength(7days and 28days)	2 Set	_	4	4
13	Mortar Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
14	Plaster Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-09-26-31** **Date: 02/07/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-06-2022
Customer ID	:	Compound Wall
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/07/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Compound Wall	M20	25/06/2022	02/07/2022	150.27 X 150.70 X 151.90	22646	8.114	415.7	18.4	18.4
2	Compound Wall	M20	25/06/2022	02/07/2022	149.99 X 151.35 X 149.41	22702	8.989	424.9	18.7	
3	Compound Wall	M20	25/06/2022	02/07/2022	151.56 X 151.44 X 150.20	22951	8.103	418.5	18.2	

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
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Samples will be disposed after 30 days from the date of issue of test certificate

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Technical Manager

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****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-09-26-31** **Date: 23/07/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-06-2022
Customer ID	:	Compound Wall
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	23/07/2022

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Compound Wall	M20	25/06/2022	23/07/2022	149.99 X 149.07 X 150.01	22359	9.075	517.6	23.2	23.2
2	Compound Wall	M20	25/06/2022	23/07/2022	151.34 X 149.16 X 149.69	22574	8.151	513.7	22.8	
3	Compound Wall	M20	25/06/2022	23/07/2022	149.08 X 149.86 X 150.03	22341	8.604	531.0	23.8	

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****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-09-26-31** **Date: 02/07/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	27-06-2022
Customer ID	:	Compound Wall
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	02/07/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Compound Wall	M20	25/06/2022	02/07/2022	150.43 X 150.11 X 150.01	22581	8.372	409.6	18.1	18.3
2	Compound Wall	M20	25/06/2022	02/07/2022	151.10 X 151.17 X 151.34	22842	8.876	422.6	18.5	
3	Compound Wall	M20	25/06/2022	02/07/2022	149.80 X 150.66 X 150.44	22569	8.933	413.7	18.3	

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Technical Manager

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****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-09-26-31** **Date: 15/06/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-06-2022
Customer ID	:	GF Flooring
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	15/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Flooring	M15	08/06/2022	15/06/2022	150.97 X 151.02 X 149.39	22798	8.542	288.8	12.7	12.7
2	GF Flooring	M15	08/06/2022	15/06/2022	151.41 X 150.85 X 149.83	22839	8.613	289.4	12.7	
3	GF Flooring	M15	08/06/2022	15/06/2022	151.66 X 151.37 X 150.30	22956	8.859	294.9	12.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2022-09-26-31 **Date: 15/06/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	10-06-2022
Customer ID	:	GF Flooring
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5
Date of test	:	15/06/2022

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Flooring	M15	08/06/2022	15/06/2022	150.14 X 150.81 X 149.60	22643	8.911	272.1	12.0	12.5
2	GF Flooring	M15	08/06/2022	15/06/2022	149.92 X 151.08 X 149.45	22649	9.084	285.0	12.6	
3	GF Flooring	M15	08/06/2022	15/06/2022	150.54 X 149.72 X 151.33	22538	8.982	288.0	12.8	

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Technical Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-09-26-31

Date: 26/05/2022

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No.03

Agency : Sri. Lakshman P, S/o Hanumanthappa, No.29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040

Customer's Reference : BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-05-2022

Customer ID : GF Slab

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl 5

Date of test : 26/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Slab	M25	19/05/2022	26/05/2022	150.24 X 149.56 X 149.28	22470	8.442	524.3	23.3	22.6
2	GF Slab	M25	19/05/2022	26/05/2022	149.32 X 149.53 X 151.49	22328	8.969	494.5	22.1	
3	GF Slab	M25	19/05/2022	26/05/2022	150.22 X 151.93 X 150.00	22823	8.319	511.5	22.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/06/2022

Lab ID	:	CP-2022-09-26-31
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-05-2022
Customer ID	:	GF Slab
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Slab	M25	19/05/2022	16/06/2022	151.11 X 150.46 X 151.15	22735	8.840	627.5	27.6	27.5
2	GF Slab	M25	19/05/2022	16/06/2022	150.84 X 149.79 X 149.51	22595	8.209	591.1	26.2	
3	GF Slab	M25	19/05/2022	16/06/2022	150.82 X 151.97 X 150.41	22920	8.641	657.4	28.7	

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-09-26-31** **Date: 16/05/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-05-2022
Customer ID	:	GF Chejja
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	16/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Chejja	M20	09/05/2022	16/05/2022	149.60 X 150.46 X 151.50	22509	8.795	411.1	18.3	18.5
2	GF Chejja	M20	09/05/2022	16/05/2022	151.80 X 149.89 X 149.27	22753	8.647	429.7	18.9	
3	GF Chejja	M20	09/05/2022	16/05/2022	151.93 X 149.19 X 150.73	22665	8.927	415.2	18.3	

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Technical Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-09-26-31** **Date: 06/06/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No.03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	11-05-2022
Customer ID	:	GF Chejja
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	06/06/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Chejja	M20	09/05/2022	06/06/2022	151.88 X 151.60 X 150.48	23026	8.283	533.7	23.2	23.1
2	GF Chejja	M20	09/05/2022	06/06/2022	149.69 X 150.29 X 149.89	22497	8.694	501.3	22.3	
3	GF Chejja	M20	09/05/2022	06/06/2022	151.23 X 151.25 X 150.70	22874	8.352	544.7	23.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-09-26-31** **Date: 06/05/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	02-05-2022
Customer ID	:	GF Column
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	06/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Column	M25	29/04/2022	06/05/2022	151.23 X 150.55 X 149.94	22767	8.234	544.7	23.9	23.0
2	GF Column	M25	29/04/2022	06/05/2022	150.46 X 151.03 X 151.94	22724	8.229	518.9	22.8	
3	GF Column	M25	29/04/2022	06/05/2022	149.36 X 150.66 X 150.90	22502	9.047	501.8	22.3	

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TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	**CP-2022-09-26-31** **Date: 30-04-2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	26-04-2022
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm
Reference to BIS codes	:	IS 2185 (Part 1) : 2005(RA 2020) Concrete Masonry Specification Part 1:Hollow and Solid Concrete Blocks (Dimensions -Annex-B, Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10, Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	26-04-2022

BLOCK DENSITY:

Sl. No.	Measurement of overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^6	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	403	200	203	16362	32.521	1987.6	2018.2	Not less than 1800Kg/m^3
2	402	202	202	16403	33.385	2035.3		
3	401	200	203	16281	33.076	2031.6		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2022-09-26-31 **Date: 25/04/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-04-2022
Customer ID	:	Plinth Beam
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	24/04/2022

SL No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth Beam	M25	17/04/2022	24/04/2022	151.81 X 149.18 X 151.55	22647	8.433	537.5	23.7	22.9
2	Plinth Beam	M25	17/04/2022	24/04/2022	150.65 X 151.71 X 149.54	22855	8.265	507.4	22.2	
3	Plinth Beam	M25	17/04/2022	24/04/2022	151.46 X 151.36 X 151.73	22926	8.939	525.3	22.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 09/05/2022

Lab ID	:	CP-2022-09-26-31
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-04-2022
Customer ID	:	Column below Plinth
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete C1.5
Date of test	:	08/05/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column below Plinth	M25	10/04/2022	08/05/2022	150.67 X 150.18 X 150.21	22626	9.068	616.2	27.2	27.4
2	Column below Plinth	M25	10/04/2022	08/05/2022	149.74 X 149.77 X 150.44	22427	8.657	585.0	26.1	
3	Column below Plinth	M25	10/04/2022	08/05/2022	151.50 X 151.08 X 149.70	22889	9.085	663.5	29.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-09-26-31** **Date: 18/04/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	12-04-2022
Customer ID	:	Column below Plinth
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M25 / 7 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column below Plinth	M25	10/04/2022	17/04/2022	149.43 X 151.04 X 150.41	22570	8.358	530.2	23.5	22.9
2	Column below Plinth	M25	10/04/2022	17/04/2022	151.68 X 149.19 X 151.35	22630	8.342	511.6	22.6	
3	Column below Plinth	M25	10/04/2022	17/04/2022	151.46 X 150.05 X 149.25	22727	8.625	510.3	22.5	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-09-26-31** **Date: 14/04/2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-04-2022
Customer ID	:	Concrete Above SSM
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS. 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	14/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Concrete Above SSM	M20	07/04/2022	14/04/2022	149.82 X 151.23 X 151.10	22657	8.451	414.6	18.3	18.2
2	Concrete Above SSM	M20	07/04/2022	14/04/2022	150.28 X 150.44 X 149.19	22608	8.734	411.4	18.2	
3	Concrete Above SSM	M20	07/04/2022	14/04/2022	149.96 X 149.09 X 151.43	22358	8.840	406.8	18.2	

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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2022-09-26-31**

Date: 30-03-2022

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	2.15	–
2	Specific Gravity	2.52	–
3	Material finer than 75 micron(%)	9.1	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

• The results obtained are satisfactory as per standard requirements.

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TEST RESULTS OF STEEL

Lab ID	:	CP-2022-09-26-31 **Date: 30-03-2022**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri. Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-560040
Customer's Reference	:	BBMP/EE/YNK D/EPMT-10/W.O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-03-2022
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.
Date of test	:	29-03-2022

SLNo	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.423	514	654	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.539	532	578	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.758	549	685	20.0%	Satisfactory	Satisfactory
4	Sunvik	Fe500	16	1.693	582	674	19.0%	Satisfactory	Satisfactory
5	Sunvik	Fe500	20	2.532	592	692	19.0%	Satisfactory	Satisfactory
6	Sunvik	Fe500	25	3.756	596	714	18.0%	Satisfactory	Satisfactory

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Note:

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Date: 31-03-2022

Lab ID	:	CP-2022-09-26-31
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Additional and Alteration of Govt. School at Ananthpura Village in Attur Ward No:03
Agency	:	Sri Lakshman P, S/o Hanumanthappa, No:29, 3rd Cross, Canara Bank Colony, Dwarakanagara, Chandra Layout, Vijaynagara, Bangalore-
Customer's Reference	:	BBMP/EE/YNK D/EPMT-10/W O/22/2021-22
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	28-03-2022
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification . IS 4031 (Part 1,2,3,4,5, 6,11):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6

Date of test : 29-03-2022

Environmental Conditions during test : Temperature: 26°C, Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.14	–
2	Finess by Air permeablity method (m^2/kg,Min)	281.6	225m^2/kg, Min
3	Density (gm/cc)	3.14	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	155 minutes	Not less than 30 minutes
6	Final Setting time	270 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.0mm	Not more than 10 mm

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